

NON-OZONE DEPLETING PRODUCTS

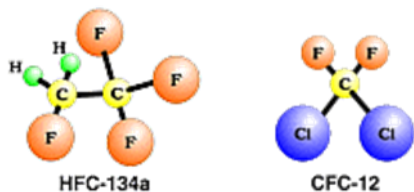
Ozone depleting substances (ODS) are any substance on EPA's Class I or Class II list of 40 CFR Part 82. There are substitutes available for ozone-depleting products for the following categories:



- Adhesives, coatings and inks
- Aerosols
- Cleaning solvents
- Fire suppression & explosion protection
- Refrigeration & air conditioning

Alternatives can be found under the EPA's Significant New Alternatives Policy (SNAP) program.

Federal sites are prohibited from using Class I and Class II ODS in new equipment, and are also required to repair all leaks in existing refrigerant and air conditioning systems. Class I ODS have already been phased out, while Class II are in the process of being phased out.



HFC-134a is a replacement for R-12, a Class I ODS.
CFC-12 is also a Class I ODS.

HELPFUL RESOURCES

To learn more about EPP at DOE sites, visit:

www.hss.energy.gov/pp/epp/

EPA Purchasing/Procurement Information:

www.epa.gov/opptintr/epp/pubs/products/index.htm

EPEAT: www.epeat.net

Energy Star: www.energystar.gov/

WaterSense: www.epa.gov/watersense/

SNAP: www.epa.gov/Ozone/snap/index.html

Ozone Depleting Substances Phase Out:

www.epa.gov/Ozone/title6/phaseout/

Contact your Division Environmental Officers for answers to your environmental-related questions:

- AD, APC: Barry Fritz
- BS, FI: Greg Mitchell
- CD: Amy Pavnica
- FESS: Rod Walton
- PPD, CMS, FCPA: Rob Bushek & Angela Sands
- TD: Bridget Scerini
- WDRS: Mike Bonkalski

The ES&H Environmental Group are available to answer questions you may have as well:

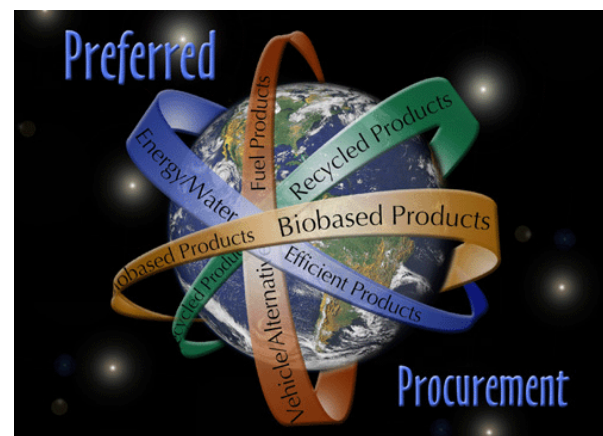
- Teri Dykhuis
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FERMILAB

ES&H Fair

April 22, 2010

Environmentally Preferred Purchasing (EPP)



Types of Environmentally Preferable Products

BIOBASED PRODUCTS



Biobased products are commercial or industrial products that are composed in whole, or in significant part, of biological products or renewable domestic agricultural materials or forestry materials.

Biobased product categories include:

- Adhesives & sealants
- Construction materials—caulk, insulation, carpet, roofing sealant
- Fibers, papers & packaging
- Fuel additives
- Landscaping materials—compost and fertilizer
- Lubricants & functional fluids
- Paints & coatings
- Plant and vegetable inks
- Plastics—derived from renewable feedstocks
- Solvents & cleaners—products that meet the Green Seal standards
- Sorbents—peat moss, corn cobs, wool-based, cotton-based, etc.

RECYCLED PRODUCTS



Recycled products are materials that have been recovered or diverted from solid waste and have been utilized in place of raw or

virgin material in manufacturing a product.

Products containing recycled content include:

- Office supplies—paper, toner cartridges, folders, furniture, etc.
- Custodial supplies—tissue/towels, trash containers & bags, etc.
- Construction materials—carpet, cement, fiberboard, insulation, latex paint, etc.
- Landscaping materials—compost, edging, hoses, lumber, mulch, etc.
- Park & recreation products—benches, fencing, etc.
- Transportation products—barricades, cones, parking stops, etc.
- Vehicular products—coolants, oil, tires, etc.
- Miscellaneous—awards, drums, mats, sorbents, signs, etc.

DOE gives preference to products with recycled-content over other environmentally-preferable aspects.

ALTERNATIVE FUELS/VEHICLES

Federal sites are required to purchase alternative-fuel vehicles, and operate dual-fueled vehicles on alternative fuels—such as biodiesel, ethanol, methanol, natural gas, etc. Use of these fuels will reduce our dependence on foreign oil, and improve air quality.



ENERGY/WATER-EFFICIENT PRODUCTS

Products such as lighting, appliances, office equipment, etc. all have energy-efficient options. Federal sites are required to procure/purchase energy-efficient products. Many qualifying energy-efficient products are marked Energy Star.



Computers and other electronics are assessed through EPEAT. EPEAT reviews not only the energy efficiency, but also the products recyclable content, use of toxic metals, end of life management, etc.



Water-efficient products will be marked with the WaterSense symbol, indicating that the product meets EPA's criteria for water efficiency. Water-efficient products include: faucets, toilets and urinals.

